

ABSTRACT

There is provided a float type steam trap that can further improve the valve closing performance in a float type steam trap that achieves decreased size of device and enhanced discharging capability, improves the valve closing performance, and prevents the occurrence of water hammer.

A casing 1 has a float chamber 1c and is formed with an inflow port 1d and an outflow port 1e communicating with the float chamber 1c. A holder 3 has a flow path 3a communicating with the outflow port 1e therein and is fixed to the casing 1 in the float chamber 1c. A valve seat 5 is provided on the holder 3 so as to communicate with the outflow port 1e. A float 4 has a float body 4a and a lever 4b. The float 4 is provided in the float chamber 1c so as to be movable up and down. A valve element 6 is provided on the lever 4b. One end of the lever 4b is fixed to the float body 4a, and the other end thereof is supported by the holder 3 so as to be turnable. The valve element 6 slides with respect to the valve seat 5 in association with the up-and-down movement of the float body 4a so as to be able to open and close the valve seat 5. The valve seat 5 and the valve element 6 are formed of a material having different wear resistance. The edge of valve seat seal face has a right angle or acute angle in cross section.